

Gasoline Sampling:

Note on Shipping:

The shipping method has been designed to meet all the requirements of the “small quantity for highway and rail” shipment rules (49CFR 173.4). The only labeling of the package that is required is the 49 CFR 173.4 notice (see below).

1.) Gasoline Sampling Kit Contents

- Shredded paper
- 6 blue ice packs
- Glass vials in ziplock bags
- Teflon lids
- Aluminum seals
- Crimper
- Beaker
- Pen
- Gloves
- Paper towels
- Copy of CFR 173.4
- Instructions

2) Procedure

Unpack shipping drum. Inside will be packing material; the number of vials needed for sampling plus a few extra for breakage; and blue ice for keeping samples cool during return shipping. The vials are contained in packages of four with a baggie for containing each sample vial.

Freeze blue ice containers before sampling

Record:

location (city – state),
source identifier,
sample date,
sampler name,

Fill eight 20 ml serum vials with each a sample of gasoline, ONLY to the bottom of the neck of the vial. (Head space is required to meet shipping requirements. Vials can be filled from glass jars.

Use a gray teflon septum to close vial

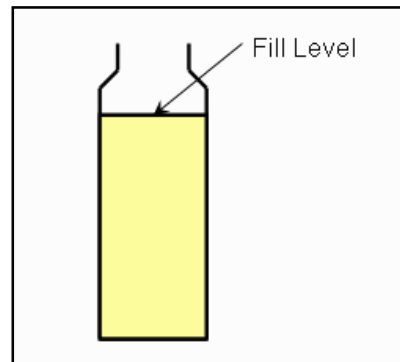
Crimp the lid closed using an aluminum seal and the enclosed crimper.

Check the crimp seal to assure that there is good sealing all around the vial.

Wipe vials clean, if necessary

Label vials according to the following code:

Location-Source-Date-Sampler



The sample code should be recorded in a notebook for each sample, along with information indicated above. Send copy inside shipping drum

Store samples in steel shipping drum and keep out of sunlight or excessive heat.

Attach "CFR 173.4" notice to outside of drum (if not already attached).

Properly dispose of waste paper. Return any waste gasoline to the UST for ultimate disposal.

2) Shipping

Shipping of the samples is covered by the "Small Quantities for highway and rail" of 49 CFR 173.4. The shipping materials and procedures have been designed to meet these requirements and must be followed for the shipment to be legal under these rules.

Place minimum of 2 inches of shredded paper in shipping drum

Place blue ice in drum (3 packs), cover with shredded paper

Place each vial in plastic bag, seal with no excess air

Place vials in drum, with lids up using the shredded paper to steady the vials

Fill drum to within 2 inches of top with shredded paper

Place second blue ice (3 packs) in drum

Fill steel drum with the remaining shredded paper.

Seal drum with metal ring.

Attach "CFR 173.4" notice sticker to outside of drum.

Avoid leaving drum in heat or sunlight while waiting for pickup.

Use the shipping bills provided by U.S. EPA to return the barrel to EPA. If necessary, contact UPS to determine the shipping time to the R.S. Kerr Environmental Research Center. Plan to ship container so that it arrives on or before Friday

Ship to:

Cherri Adair
US EPA
R.S. Kerr Environmental Research Center
919 Kerr Research Drive
Ada, Oklahoma 74820
580 436 8969

Shipping Note:

If a safety officer or someone else, however, insists on shipping the package as dangerous goods (without using the 49CFR 173.4 exemptions), there is no real problem as long as it is done correctly. The **only** people, however, who may prepare and ship these packages are ones that have had dangerous good shipping training as required by 49CFR. **Only** those persons should prepare and sign the shipping papers as the sender. **Do not** sign these papers if you have not had dangerous goods shipping training.